

Sheet 5

- (1) What are advantages and disadvantages of using 8051 C programming compared by 8051 assembly?**
- (2) What is the difference between the sbit and bit data types?**
- (3) Give the hex value that is sent the port for each of the following C statements:**
 - (a) P=14;**
 - (b) P1=0x18;**
 - (c) P1='A';**
 - (d) P1=255;**
 - (e) P1=0x0F;**
- (4) Write an 8051 C program to toggle all bits of P2 every 300 ms?**
- (5) Write an 8051 program to toggle bit P3.2 every 100 ms?**
- (6) Write an 8051 C program to count continuously up from 0-99. Show the counting process on P1?**